

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: :
KENSIL et al. :
Serial No. 07/200,754 : Art Unit: 183
Filed: May 31, 1988 : Examiner: N. Carson
For: SAPONIN ADJUVANT : Atty. Dkt.: 0614.0690004

AMENDMENT AND RESPONSE UNDER 37 C.F.R. §1.115

Honorable Commissioner of
Patents and Trademarks
Washington, DC 20231

Sir:

This responds to the Office Action of May 22, 1989, the period for response to which having been extended to November 22, 1989, by the accompanying Petition for Extension of Time under 37 C.F.R. 1.136.

In the Claims:

Please cancel claims 1-28, without prejudice or disclaimer to the invention thereof.

Please add the following claims:

29. Substantially pure saponin purified from a crude Quillaja saponaria extract comprising a single predominant peak which comprises 90% or more of the total area of all peaks of a chromatogram, excluding the solvent peak, when analyzed on reverse phase-HPLC on a Vydac C₄ column having 5 μ m particle size, 330 Å pore, 4.6 mm ID x 25 cm L in a solvent of 40 mM acetic acid in methanol/water (58/42; v/v) at a flow rate of 1 ml/minute, and wherein said saponin has immune adjuvant activity and is less toxic when used as an adjuvant than said Quillaja saponaria extract.